

### Remarks

This Amendment is respectfully submitted as a Supplemental Reply to the Examiner's Action dated December 21, 2006.

Clarifying language has been added to paragraph 21 of the specification to aid the examination of the application. It is felt by the applicant the clarifying language amended to the noted paragraph more fully and correctly describes the patentable operation of the invention clearly making the invention patentable over the Examiner's references Von Blaricom and Rowells.

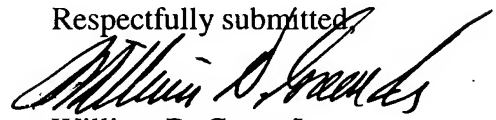
In neither of these inventions is combustible material compressed between a compressor and a valve orifice opened by fluid pressure behind the valve allowing the compressed fuel mixture to flow through the orifice into the cylinder of the engine. Also, neither of the referenced inventions illustrate or describe a four cycle exhaust stroke as is illustrated and described for the present invention.

New claims have been drafted to claim the more patentable features of the invention which until now, the applicant feels, the disclosure did not fully and clearly specify and claim.

In view of the above, Applicant respectfully submits that each of the new claims in the application are now believed to be in condition for allowance.

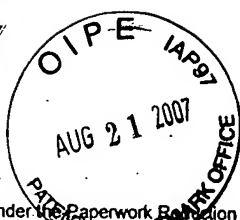
Also enclosed are a Patent Application Determination Record form, and a check No. 2050 made out to the Commissioner for Patents in the amount of \$600 to cover the required fee.

Respectfully submitted



William D. Green Jr.

Date: August 21, 2007  
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PTO/SB/06 (07-07)  
Approved for use through 06/30/2010. OMB 0651-0032  
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# **PATENT APPLICATION FEE DETERMINATION RECORD**

Substitute for Form PTO-875

Application or Docket Number  
**10/637,841**

## **APPLICATION AS FILED - PART I**

(Column 1)		(Column 2)	SMALL ENTITY		OR	OTHER THAN SMALL ENTITY	
FOR	NUMBER FILED	NUMBER EXTRA	RATE (\$)	FEE (\$)		RATE (\$)	FEE (\$)
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A			N/A	
SEARCH FEE (37 CFR 1.16(k), (l), or (m))	N/A	N/A	N/A			N/A	
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A			N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	X =		OR	X =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X =			X =	
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).						
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))			N/A			N/A	
			TOTAL			TOTAL	

\* If the difference in column 1 is less than zero, enter "0" in column 2.

## **APPLICATION AS AMENDED - PART II**

(Column 1)		(Column 2)	(Column 3)	SMALL ENTITY		OR	OTHER THAN SMALL ENTITY	
AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)		RATE (\$)	ADDITIONAL FEE (\$)
Total (37 CFR 1.16(i))	Minus	**	=	X =		OR	X =	
Independent (37 CFR 1.16(h))	Minus	***	=	X =		OR	X =	
Application Size Fee (37 CFR 1.16(s))						OR		
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))				N/A		OR	N/A	
				TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	

(Column 1)		(Column 2)	(Column 3)	SMALL ENTITY		OR	OTHER THAN SMALL ENTITY	
AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)		RATE (\$)	ADDITIONAL FEE (\$)
Total (37 CFR 1.16(i))	159 Minus	139	= 20	x 25 =	500	OR	x =	
Independent (37 CFR 1.16(h))	27 Minus	2.5	= 2	x 100 =	200	OR	x =	
Application Size Fee (37 CFR 1.16(s))						OR		
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))				N/A		OR	N/A	
				TOTAL ADD'L FEE	700	OR	TOTAL ADD'L FEE	

\* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

\*\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



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2050

Date August 21, 2007


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Supplemental Reply

William D. Green Jr. MP

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APP. # 10/637,891